DOCKET NO.: P0453.70113US04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

plicant:

Foss et al.

erial No.:

10/785,668

Confirmation No.:

2689

Filed:

February 24, 2004

For:

ORAL USE OF METHYLNALTREXONE AND RELATED

COMPOUNDS TO TREAT CONSTIPATION IN CHRONIC OPIOID

USERS

Examiner:

Not Yet Assigned

Art Unit:

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the ______ day of August, 2004.

MAIL STOP AMENDMENT

Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Information Disclosure Statement
- PTO Form 1449 with cited references [X]
- [X]Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

> Respectfully submitted, Foss et al., Applicant

Edward R. Gates, Reg. No.: 31,616 Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2211

Telephone: (617) 646-8000

Docket No. P0453.70113US04

Date: August **b**, 2004

xNDDx



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ORAL USE OF METHYLNALTREXONE AND RELATED

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Art Unit:

1614

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

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Knistin J. Ketelhar

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

Docket No.	Serial No.	Filing Date	Inventor(s)
P0453.70110US01	10/779,129	February 12, 2004	Foss et al.
P0453.70112US01	10/821,813	April 8, 2004	Boyd et al.
P0453.70113US00	10/357,669	February 4, 2003	Foss et al.
¹ P0453.70113US01	10/779,128	February 12, 2004	Foss et al.
¹ P0453.70113US03	10/785,320	February 12, 2004	Foss et al.
¹ P0453.70113US04	10/785,668	February 24, 2004	Foss et al.
P0453.70115US01	10/821,811	April 8, 2004	Sanghvi et al.
P0453.70116US01	10/821,809	April 8, 2004	Sanghvi et al.

¹Copy not enclosed; see P0453.70113US00, Serial No. 10/357,669 for identical specification

The following are remarks concerning the other information cited:

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

806564.1

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted, Foss et al., Applicant

 $\mathbf{R}\mathbf{v}$

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Telephone: (617) 646-8000

Docket No. P0453.70113US04

Date: August $\underline{\bigcirc}$, 2004

XNDDX

FORM PTO-1219/A and B (Modified)

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 3

APPLICATION NO.: 10/785,668

ATTY. DOCKET NO.: P0453.70113US04

FILING DATE: February 24, 2004 CONFIRMATION NO.: 2689

APPLICANT: Foss et al.

GROUP ART UNIT: 1614

EXAMINER: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner's	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue	
Initials	No.	Number	Kind Code	Document	of Cited Document MM-DD-YYYY	
	A30	4,311,833		Namikoshi, et al.	01-19-1982	
	A31	4,377,568		Chopra, et al.	03-22-1983	
	A32	4,385,078		Onda, et al.	05-24-1983	
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Examiner's	Cite	For	reign Patent Docu	ıment	Name of Patentee or Applicant of Cited	Date of Publication of	Translation	
Initials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N)	
	B22	AU	758,416		Arch Development Corp.	07-03-1999		
	B23	CA	2,312,234		Arch Development Corp.	05-14-1999		
	B24	DE	3,780,819					
	B25	EP	1,047,726	A1	Quest International B.V.	07-22-1999		
-	B26	WO	99/22737	A1	Arch Development Corp.	05-14-1999		
	B27	wo	04/043964	A2	Mallinckrodt	05-27-2004		

FORM PTC)-1449/A and B (M	1odifie	d)	APPLICATION NO.:	10/785,668	ATTY. DOCKET NO.: P0453.70113US04
INFORMATION DISCLOSURE				FILING DATE:	February 24, 2004	CONFIRMATION NO.: 2689
STATEMENT BY APPLICANT			APPLICANT:	Foss et al.		
				GROUP ART UNIT:	1614	EXAMINER: Not Yet Assigned
Sheet	2	of	3	CROOL ART ONT.	1017	Braum Braum Control (1971)

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C118	ALTIER et al., Opioid receptors in the ventral tegmental area contribute to stress-induced analgesia in the formalin test for tonic pain. Brain Res. 1996 Apr 29;718(1-2):203-6.	
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•	C123	BOWEN et al., College on Problems of Drug Dependence 64th Annual Scientific Meeting. June 8-13, 2002. Quebec City, Quebec, Canada. Abstracts. Drug Alcohol Depend. 2002 May 1;66 Suppl 1:S1-220. Abstract No. 65.	
-	C124	CARR et al., Naltrexone antagonizes the analgesic and immunosuppressive effects of morphine in mice. J Pharmacol Exp Ther. 1994 May;269(2):693-8.	
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	C126	CHOI et al., Inhibition of chemokine-induced chemotaxis of monkey leukocytes by mu-opioid receptor agonists. In Vivo. 1999 Sep-Oct;13(5):389-96.	
	C127	DE PONTI et al., Methylnaltrexone Progenics. Curr Opin Investig Drugs. 2002 Apr;3(4):614-20. Review.	
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	C132	KOSTEN et al., Naltrexone and morphine alter the discrimination and plasma levels of ethanol. Behav Pharmacol. 1999 Feb;10(1):1-13.	
	C133	KOSTIC, CAS Abstract Document No. 127: 13345, 1997.	
	C134	LI et al., Methadone enhances human immunodeficiency virus infection of human immune cells. J Infect Dis. 2002 Jan 1;185(1):118-22. Epub 2001 Dec 14.	
	C135	MACK, Paralytic ileus: response to naloxone. Br J Surg. 1989 Oct;76(10):1101.	
	C136	NEMETH-LEFKOWITZ et al., Research communication in Substances of Abuse (1980) 1(2): 177-83.	
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FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE			APPLICATION NO.:	10/785,668	ATTY. DOCKET NO.: P0453.70113US04		
			FILING DATE: February 24, 2004		CONFIRMATION NO.: 2689		
STATEMENT BY APPLICANT		APPLICANT: Foss et al.					
Sheet	3	of	;	3	GROUP ART UNIT:	1614	EXAMINER: Not Yet Assigned
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	C145	Therapeutics. Atlanta, Georgia, USA. March 24-27, 2002. Clin Pharmacol Ther. 2002 Feb;71(2):P1-136. WILMORE et al., Can we minimize the effects of opioids on the bowel and still achieve adequate pain control?					

	C145	WILMORE et al., Can we minimize the effects of opioids on the bowel and still achieve adequate pain control?	
		Am J Surg. 2001 Nov;182(5A Suppl):1S-2S.	
	C146	WYBRAN et al., Suggestive evidence for receptors for morphine and methionine-enkephalin on normal human	
l i		blood T lymphocytes. J Immunol. 1979 Sep;123(3):1068-70.	
	C147	YUAN, Clinical Status of Methylnaltrexone, A New Agent to Prevent and Manage Opioid-Induced Side	
		Effects. J Support Oncol. 2004 Mar/Apr: 2(2):111-22.	

EXAMINER	DATE CONSIDERED
•	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an elDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).